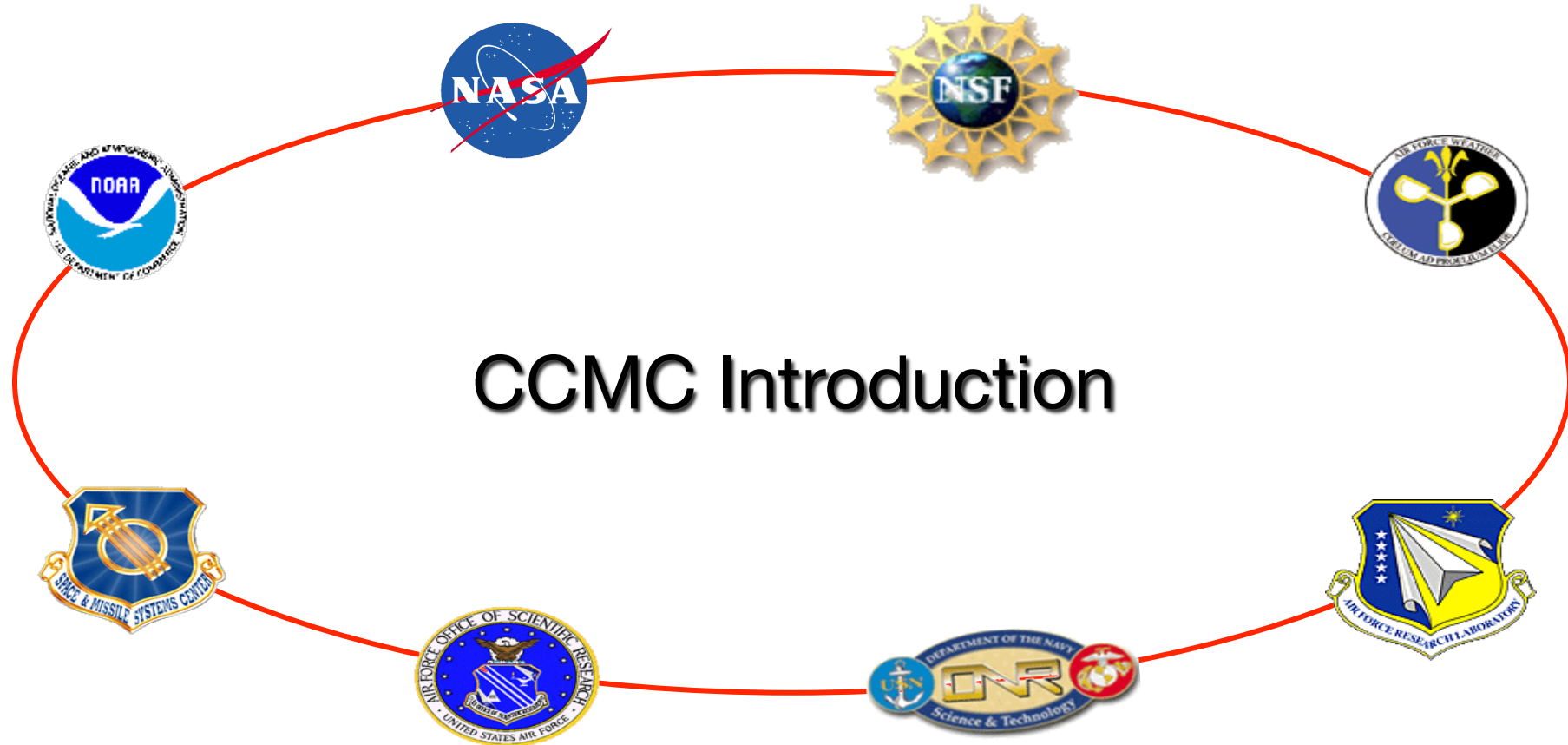


Community Coordinated Modeling Center

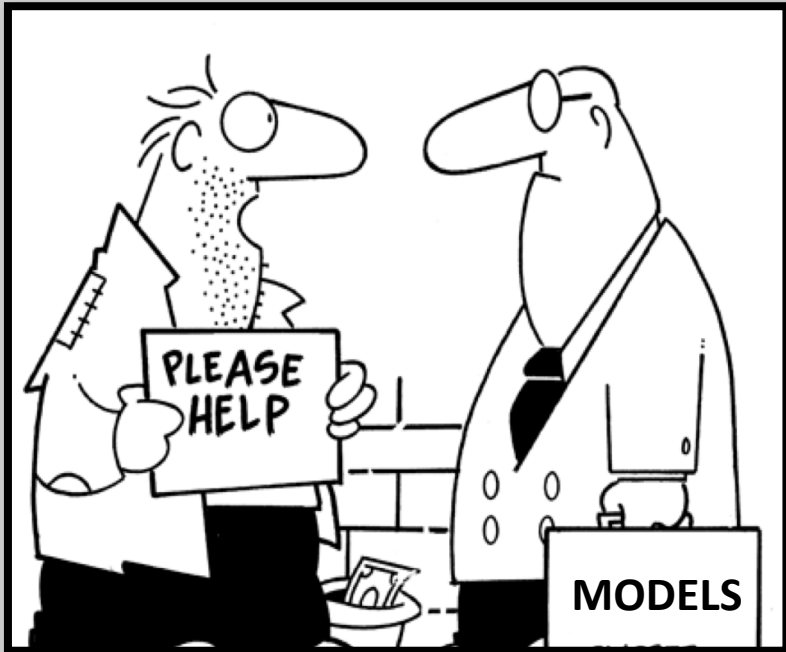


M. Kuznetsova & CCMC Team

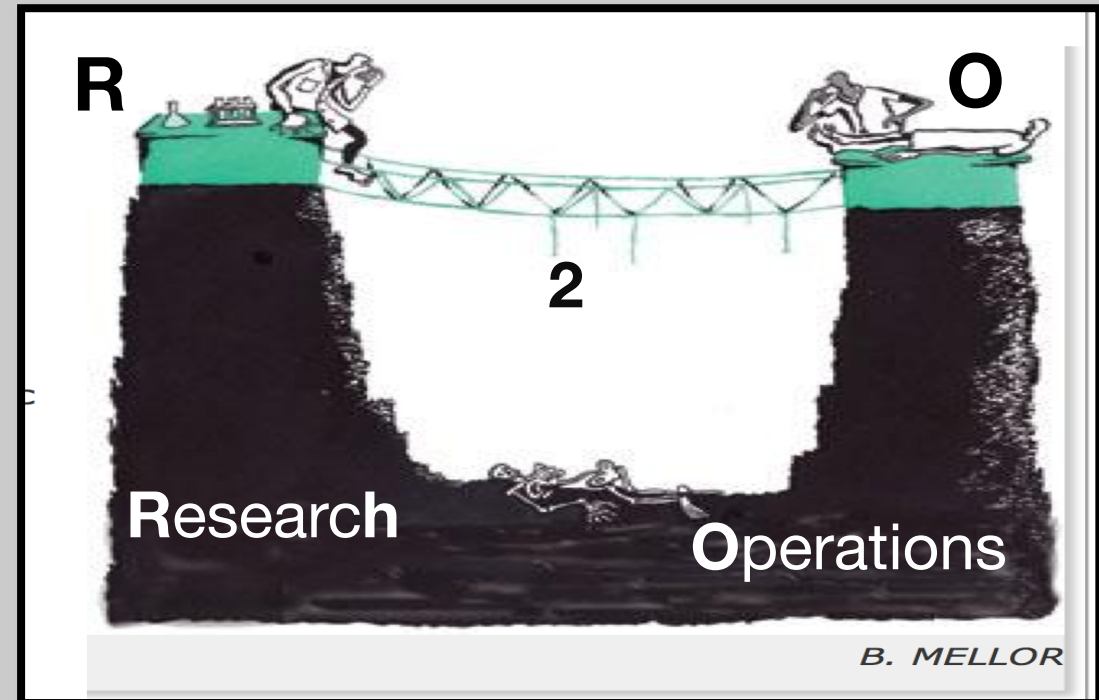
MODELS • DATA • TOOLS • DATABASES • SYSTEMS • SERVICES

Prior To CCMC

Models accessed and used by developers only.

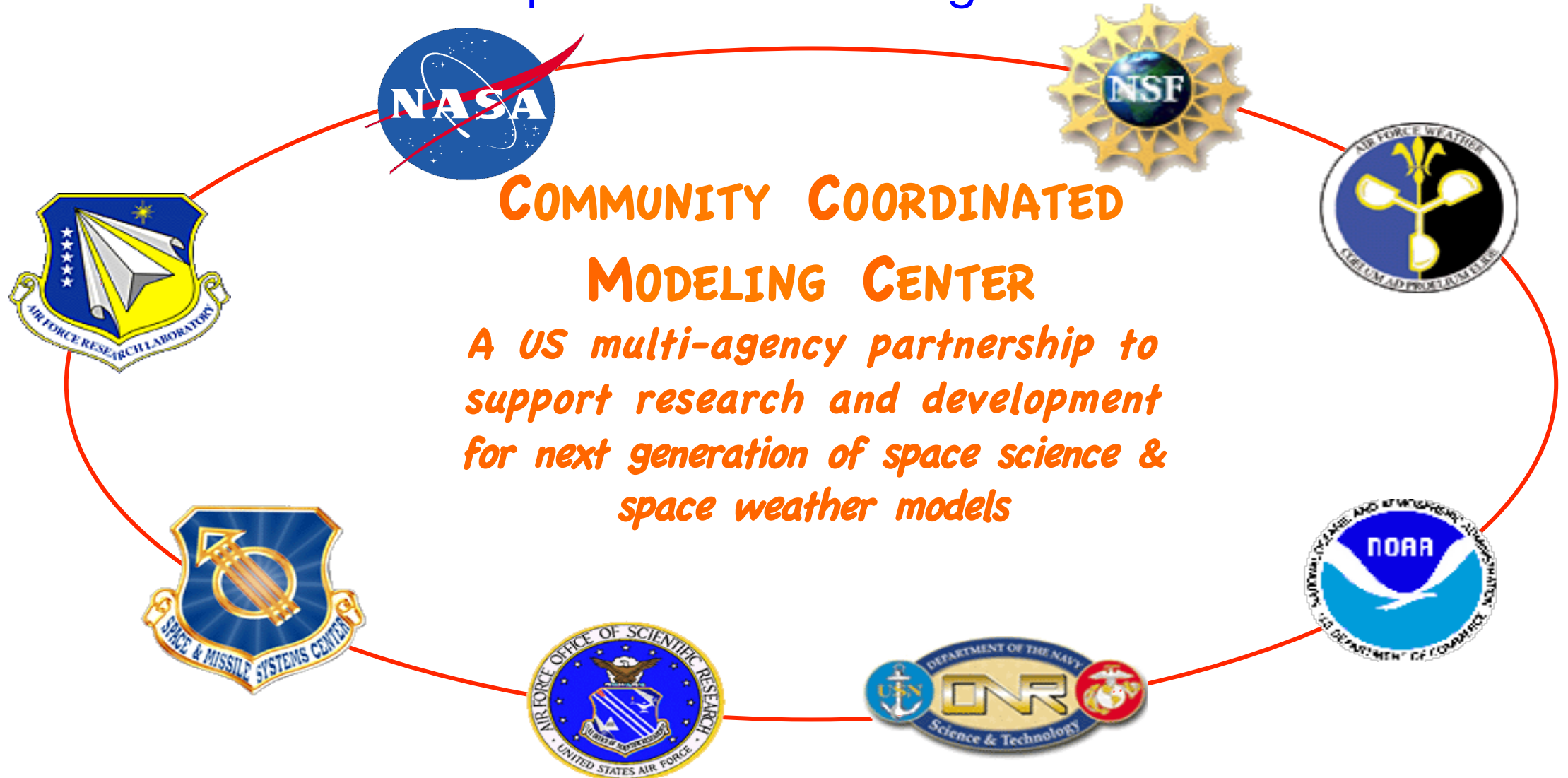


“Valley of Death” between **FUNDAMENTAL** space science research and **APPLICATIONS & SERVICES** to users affected by space environment



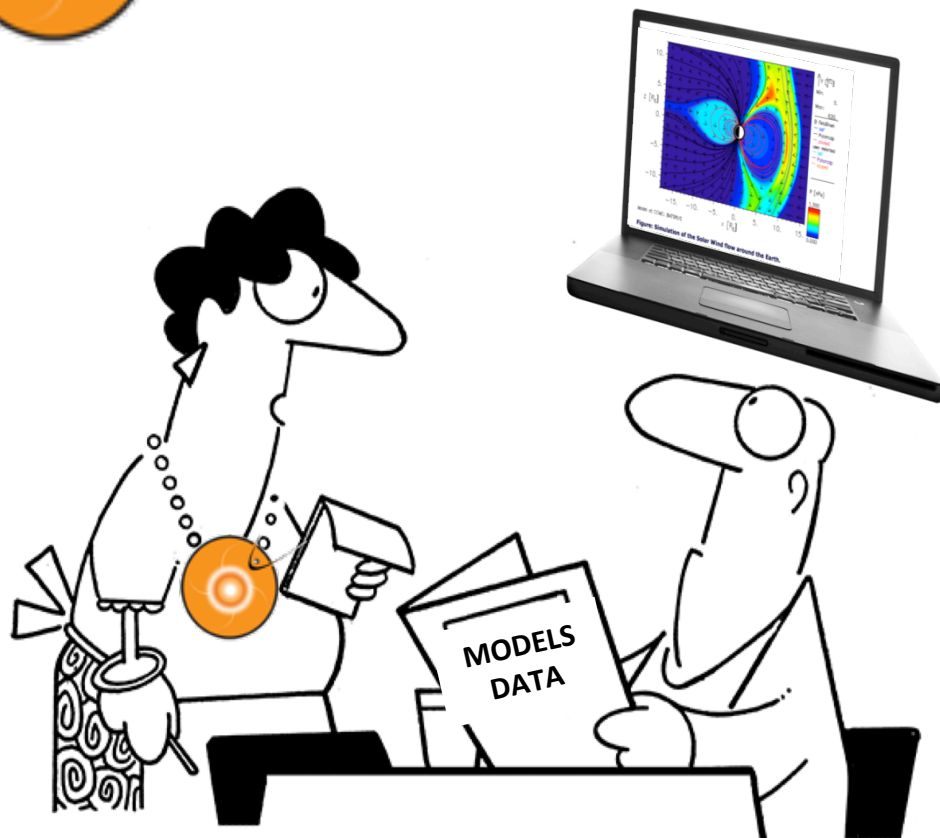


Established in 2000 as an essential element of the
National Space Weather Program





CCMC is a Game Changing Solution



<http://ccmc.gsfc.nasa.gov>

*CCMC enabled
'Open model' policy*

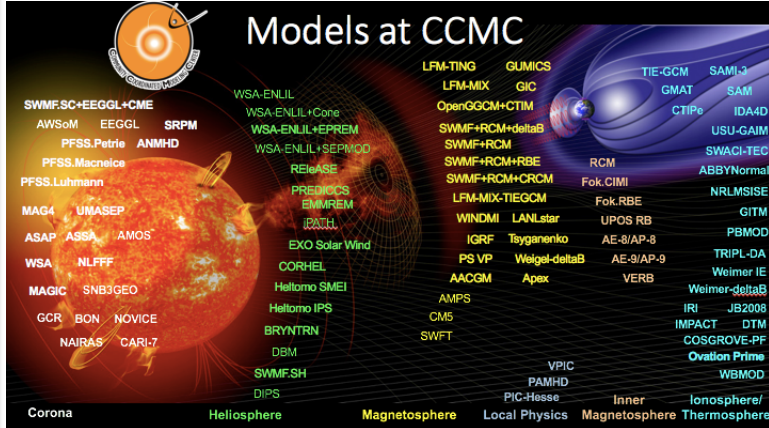




CCMC Assets & Services

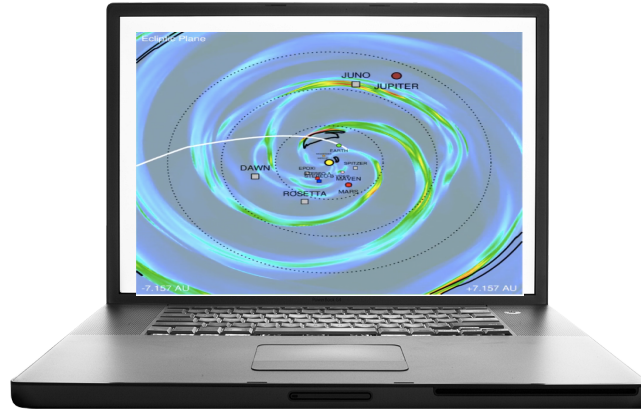
Models

Models at CCMC

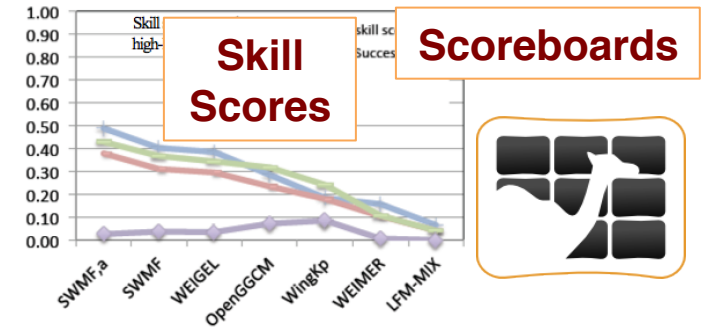


(expanding collection: > 100)

Simulation Services

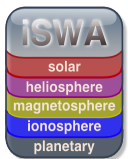


Evaluations



Uncertainty Assessment

Applications
for space weather
research, monitoring,
forecasting



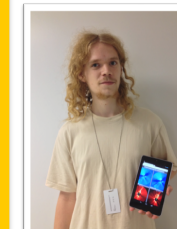
Space Weather Services

for NASA's missions



In-House Prototyping

Hands-on Education



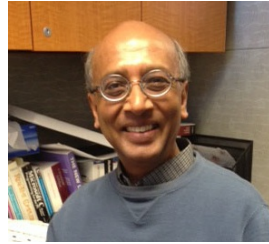
CCMC Staff



T. Tsui
(Hardware lead)



S. Bakshi
(security, systems)



Kiran Patel
(clusters)



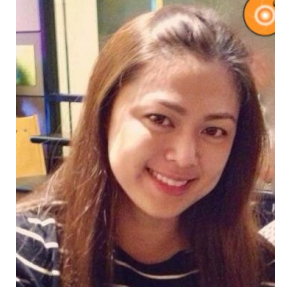
M. Kuznetsova
(Director)



Leila Mays
(Deputy)



Anna Chulaki
(software, education)



M. Mendoza
(software)



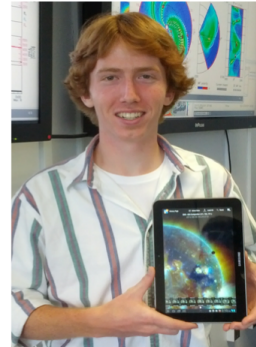
Chiu Wiegand
(Software development team lead)



R. Mullinix
(software)



A. Pembroke
(software)



J. Boblitt
(software)



L. Rastaetter
(magnetosphere, software)



Ja Soon Shim
(ionosphere)



D. De Zeeuw
(software)



P. Macneice (solar)



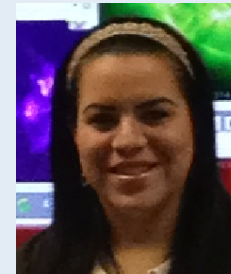
A. Taktakishvili (solar)



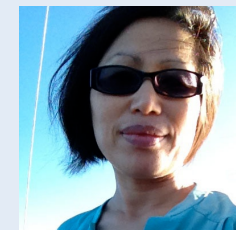
B. Thompson



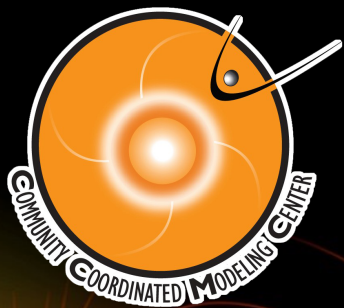
K. Muglach



Y. Collado-Vega
(Prototyping team lead)



Yihua Zheng
(radiation & plasma env)



Models at CCMC

SWMF.SC+EEGGL+CME

AWSOM EEGGL SRPM

PFSS.Petrie ANMHD

PFSS.Macneice

PFSS.Luhmann

MAG4 UMASEP

ASAP ASSA AMOS

WSA NLFFF

MAGIC SNB3GEO

GCR BON NOVICE

NAIRAS CARI-7

Corona

WSA-ENLIL

WSA-ENLIL+Cone

WSA-ENLIL+EPREM

WSA-ENLIL+SEPMOD

REleASE

PREDICCS

EMMREM

iPATH

EXO Solar Wind

CORHEL

Heltomo SMEI

Heltomo IPS

BRYNTRN

DBM

SWMF.SH

DIPS

Heliosphere

LFM-TING

LFM-MIX

OpenGGCM+CTIM

SWMF+RCM+deltaB

SWMF+RCM

SWMF+RCM+RBE

SWMF+RCM+CRCM

LFM-MIX-TIEGCM

WINDMI LANLstar

IGRF Tsyganenko

PS VP Weigel-deltaB

AACGM Apex

AMPS

CM5

SWFT

GUMICS

GIC

VPIC

PAMHD

PIC-Hesse

Local Physics

TIE-GCM

GMAT

CTIPe

RCM

Fok.CIMI

Fok.RBE

UPOS RB

AE-8/AP-8

AE-9/AP-9

VERB

Inner

Magnetosphere

SAMI-3

SAM

IDA4D

USU-GAIM

SWACI-TEC

ABBYNormal

NRLMSISE

GITM

PBMOD

TRIPL-DA

Weimer IE

Weimer-deltaB

IRI JB2008

IMPACT DTM

COSGROVE-PF

Ovation Prime

WBMOD

Ionosphere/

Thermosphere